

Updated Information for Submission of Resistant *Pseudomonas aeruginosa* Isolates for Metallo- β -Lactamase Testing

Target audience: Clinical Laboratories

Details:

Centers for Disease Control and Prevention (CDC) is continuing to test suspect isolates of *Pseudomonas aeruginosa* for Verona Integron-Encoded Metallo- β -lactamase (VIM). Isolates containing metallo- β -lactamase (MBL) are nonsusceptible to penicillins, cephalosporins, cephamycins, and carbapenems but are susceptible to aztreonam. Michigan has two confirmed isolates.

Clinical laboratories can send *P. aeruginosa* isolates which are intermediate or resistant to the above classes of antimicrobials AND susceptible to aztreonam for metallo-beta-lactamase testing to MDCH for forwarding to CDC. Please include a copy of the isolate's complete susceptibility profile with its submission.

CDC will not perform routine testing for carbapenemases on *Pseudomonas* isolates that do not meet the above definition.

Please refer to the updated submission actions below to ensure your isolates reach the correct lab at CDC.

Steps for laboratories to take now:

Please send *Pseudomonas aeruginosa* isolates that meet the above criteria to the MDCH laboratory and include a completed MDCH requisition form and a CDC specimen submission form (CDC 50.34 Rev. 11-90 (Formerly 3.203)). Please note: The forms are each two-pages. Both sides must be completed.

The current MDCH Microbiology/Virology test requisition and CDC specimen submission form are available at:

http://www.michigan.gov/documents/DCH-0583TEST_REQUEST_7587_7.pdf

http://www.michigan.gov/documents/mdch/HUMAN_form-50-34_410210_7.pdf

CDC DASH forms must be filled out electronically (not handwritten). Select test CDC-10223 "Antimicrobial Resistance Testing- Bacterial". In the "Previous Laboratory Results/Comments" box on the second page (near the bottom), free text "suspect VIM". Also attach a printed copy of the antibiotic resistance profile from your facility.

Questions and Additional Information

For laboratory related questions, please contact:

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